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|-------------------------------|-------------------------------|--------------------------------------|
| <b>Notice of Allowability</b> | <b>Application No.</b>        | <b>Applicant(s)</b>                  |
|                               | 09/825,070<br><b>Examiner</b> | ADAMS, TIMOTHY G.<br><b>Art Unit</b> |
|                               | Sin J. Lee                    | 1752                                 |

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1.  This communication is responsive to 07-15-2004.
2.  The allowed claim(s) is/are 17-21,24-27,32-46 and 49-53.
3.  The drawings filed on \_\_\_\_\_ are accepted by the Examiner.
4.  Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a)  All      b)  Some\*      c)  None      of the:
    1.  Certified copies of the priority documents have been received.
    2.  Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
    3.  Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.  
**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

5.  A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
  6.  CORRECTED DRAWINGS ( as "replacement sheets") must be submitted.
    - (a)  including changes required by the Notice of Draftsperson's Patent Drawing Review ( PTO-948) attached
      - 1)  hereto or 2)  to Paper No./Mail Date \_\_\_\_\_.
    - (b)  including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7.  DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

#### Attachment(s)

1.  Notice of References Cited (PTO-892)
2.  Notice of Draftsperson's Patent Drawing Review (PTO-948)
3.  Information Disclosure Statements (PTO-1449 or PTO/SB/08),  
Paper No./Mail Date \_\_\_\_\_
4.  Examiner's Comment Regarding Requirement for Deposit  
of Biological Material
5.  Notice of Informal Patent Application (PTO-152)
6.  Interview Summary (PTO-413),  
Paper No./Mail Date 08032004.
7.  Examiner's Amendment/Comment
8.  Examiner's Statement of Reasons for Allowance
9.  Other \_\_\_\_\_.

### **EXAMINER'S AMENDMENT**

1. Applicant canceled claims 22, 23, and 48.
2. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.
3. Authorization for this examiner's amendment was given in a telephone interview with Mr. Peter F. Corless (attorney for applicant) on August 3, 2004.
4. The application has been amended as follows:

In Claim 17, line 3, change "the" to --- applying a ---.

In Claim 17, line 5, between "compound" and ";", insert --- onto a substrate ---.

In Claim 17, line 6, change "a substrate" to --- the substrate ---.

In Claim 32, line 2, delete "1").

In Claim 37, line 3, change "the" to --- applying a ---.

In Claim 37, line 5, between "compound" and ";", insert --- onto a substrate ---.

In Claim 37, line 6, change "a substrate" to --- the substrate ---.

In Claim 45, line 3, change "the" to --- applying a ---.

In Claim 45, line 5, between "groups" and ";", insert --- onto a substrate ---.

In Claim 45, line 6, change "a substrate" to --- the substrate ---.

Delete Claim 47.

In Claim 49, line 1, change "47" to --- of claim 45 ---.

5. The following is an examiner's statement of reasons for allowance: As previously indicated in the Final Office Action of July 25, 2003, Watanabe'665 in view of Jeoung'672 does not disclose nor suggest the use of the presently required thermal acid generator of claims 17 and 37. Chen (EP'339) in view of Jeoung'672 does not disclose nor suggest the use of the present thermal acid generator of claims 17 and 37. Although Sinta et al'830 teaches the use of a thermal acid generator and a photoacid generator together in an antireflective composition, the resin binder used in the composition does not teach or suggest the present polymer that comprises groups reactive to crosslinking and photoacid labile groups as presently claimed in claims 17, 37, and 45. Also, Chen (EP'339) in view of Jeoung'672 does not disclose nor suggest the present primary acetal photoacid-labile groups of claim 45.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Sin J. Lee whose telephone number is 571-272-1333. The examiner can normally be reached on Monday-Friday from 9:00 am EST to 5:30 pm EST.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Cynthia Kelly, can be reached on 571-272-1526. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

*S. J. L.*  
S. Lee  
August 3, 2004

*Sin J. Lee*  
Sin J. Lee  
Patent Examiner  
Technology Center  
1700

CYNTHIA H. KELLY  
SUPERVISORY PATENT EXAMINER  
TECHNOLOGY CENTER 1700

*Cynthia H. Kelly*